

CIÈNCIA I DEMOCRÀCIA

Algunes reflexions en temps d'incertesa



Agustí Nieto-Galan

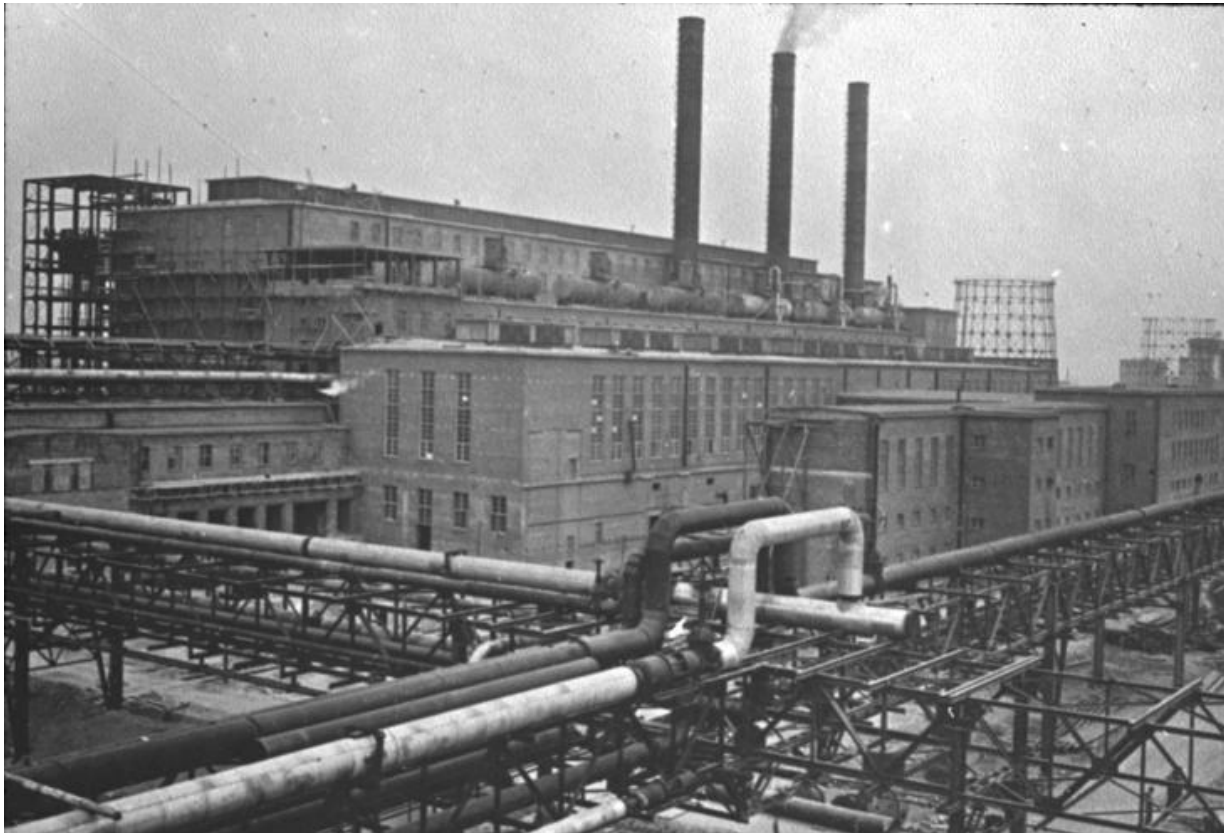
iHC Institut d'Història
de la Ciència

08/04/2021



La Facultat de Ciències de la UAB va iniciar la seva activitat al curs 1969-1970 a la casa de Convalescència de l'Hospital de Sant Pau de Barcelona i es va traslladar als actuals edificis del campus de Bellaterra el curs 1971-1972.

<https://www.uab.cat/ciencies/>



Overview of IG Farben's plant, near Auschwitz, circa 1941
Source : German Federal Archive

https://commons.wikimedia.org/wiki/File:Bundesarchiv_Bild_146-2007-0056,_IG-Farbenwerke_Auschwitz.jpg



Zyklon B container. Part of an exhibition in the KL Auschwitz-Birkenau.

https://commons.wikimedia.org/wiki/File:Zyklon_B_Container.jpg

1. Ciència, Guerra Freda i democràcia

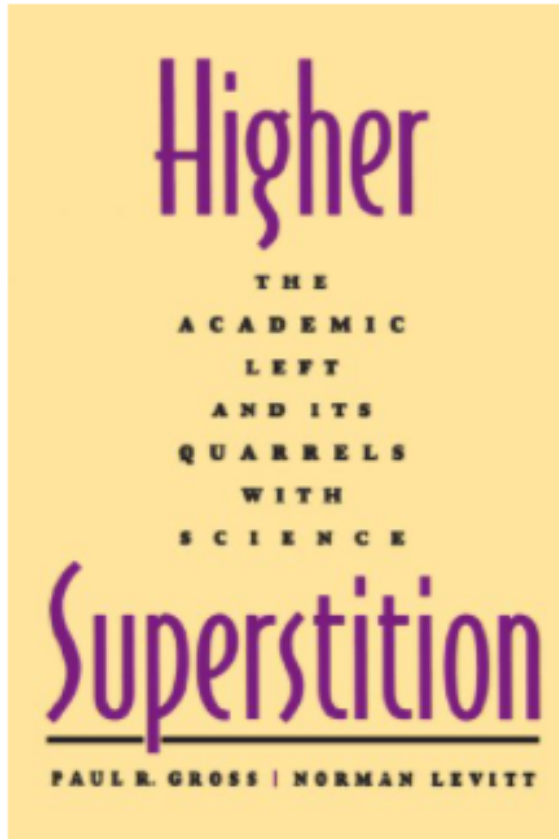
Higher Superstition

The Academic Left and Its Quarrels with Science

Paul R. Gross and Norman Levitt

The widely acclaimed response to the postmodernists attacks on science, with a new afterword.

<https://jhupbooks.press.jhu.edu/title/higher-superstition>



Science, Technology, and Democracy



Daniel Lee Kleinman

SUNY Press, Sep 28, 2000 - [Science](#) - 174 pages

★★★★★

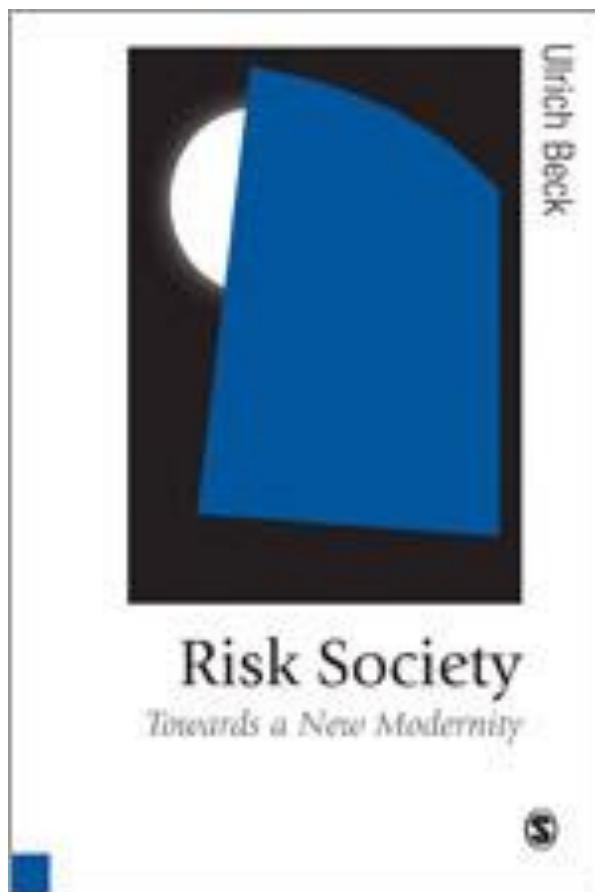
[0 Reviews](#)

Activists, scientists, and scholars in the social sciences and humanities explore in productive dialogue what it means to democratize science and technology. The contributors consider what role lay people can have in a realm traditionally restricted to experts, and examine the socio-economic and ideological barriers to creating a science oriented more toward human needs. Included are several case studies of efforts to expand the role of citizens--including discussions of AIDS treatment activism, technology consensus conferences in Europe and the United States, the regulation of nuclear materials processing and disposal, and farmer networks in sustainable agriculture--and examinations of how the Enlightenment premises of modern science constrain its field of vision. Other chapters suggest how citizens can interpret differing opinions within scientific communities on issues of clear public relevance.

Contributors include Steven Epstein, Sandra Harding, Neva Hassanein, Louise Kaplan, Daniel Lee Kleinman, Daniel Sarewitz, Stephen H. Schneider, and Richard E. Sclove.

https://books.google.es/books/about/Science_Technology_and_Democracy.html?id=npqJBnC9u5UC&redir_esc=y

2. “Veritats”, incerteses i controvèrsies



<https://us.sagepub.com/en-us/nam/risk-society/book203184>



<https://commons.wikimedia.org/wiki/File:Beck-St-Gallen-Symposium.png>

3. La crisi de l'expertesa

Maurice Strong

(1929–2015)

Oil man who was first director of the United Nations Environment Programme.

That anthropogenic climate change is now of mainstream concern has, paradoxically, a lot to do with an oil man. Maurice Frederick Strong, fossil-fuel magnate, was the founding executive director of the United Nations Environment Programme (UNEP). He died on 27 November.

Strong was among the last of a generation of post-war scholar-administrators in Canada that included former prime minister Lester B. Pearson. Each lived through the Great Depression and the Second World War, determined that history must never be repeated. Pearson positioned Canada as the world's anti-poverty champion. Strong was one of Pearson's army of nation-builders: he helped to create the Canadian International Development Agency in 1968 and the national oil company Petro-Canada in 1976.

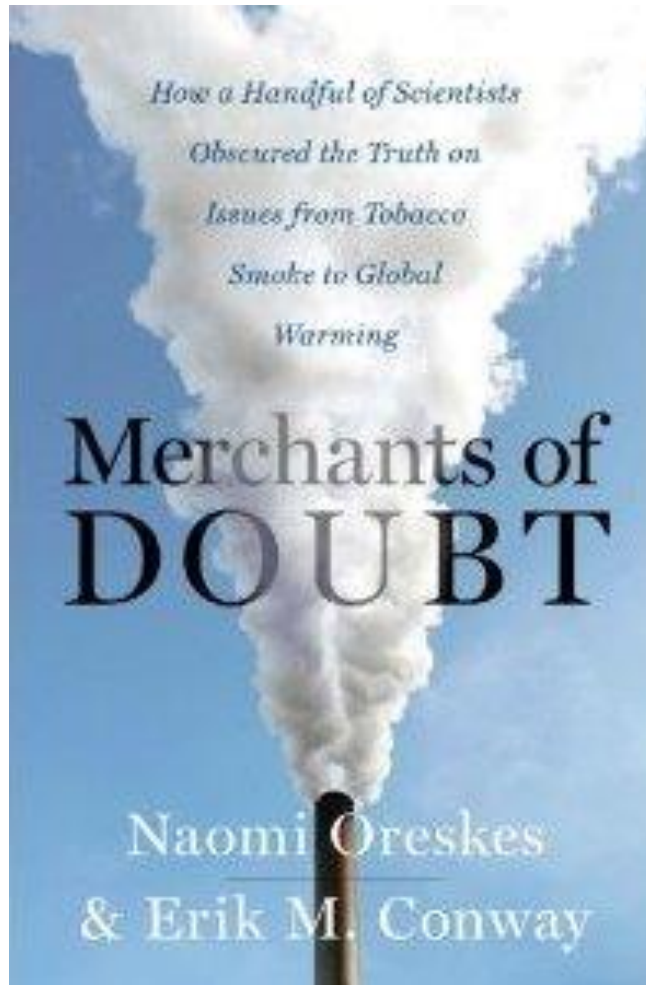
It is thanks to UNEP that nearly every government today has a dedicated department that looks after the environment. The



scientist to his staff, which gave him a direct line to negotiate with Moscow. And he asked the developing countries to set the conference agenda. This would say explicitly that they could protect their environments without compromising their ability to industrialize, and that rich countries should help to finance poor countries to achieve that goal. To deal with objections from British scientists, Strong sought help from the team at the Massachusetts Institute of Technology in Cambridge that had just published the book *The Limits to Growth* (Universe, 1972).

He put Barbara Ward, former foreign editor of *The Economist* turned environmental advocate, on the conference staff to neutralize the influence of sceptical diplomats from rich nations. Somehow, Strong persuaded Indira Gandhi, then-prime minister of India, to open the conference.

The 1972 United Nations Conference on the Human Environment ended in practical

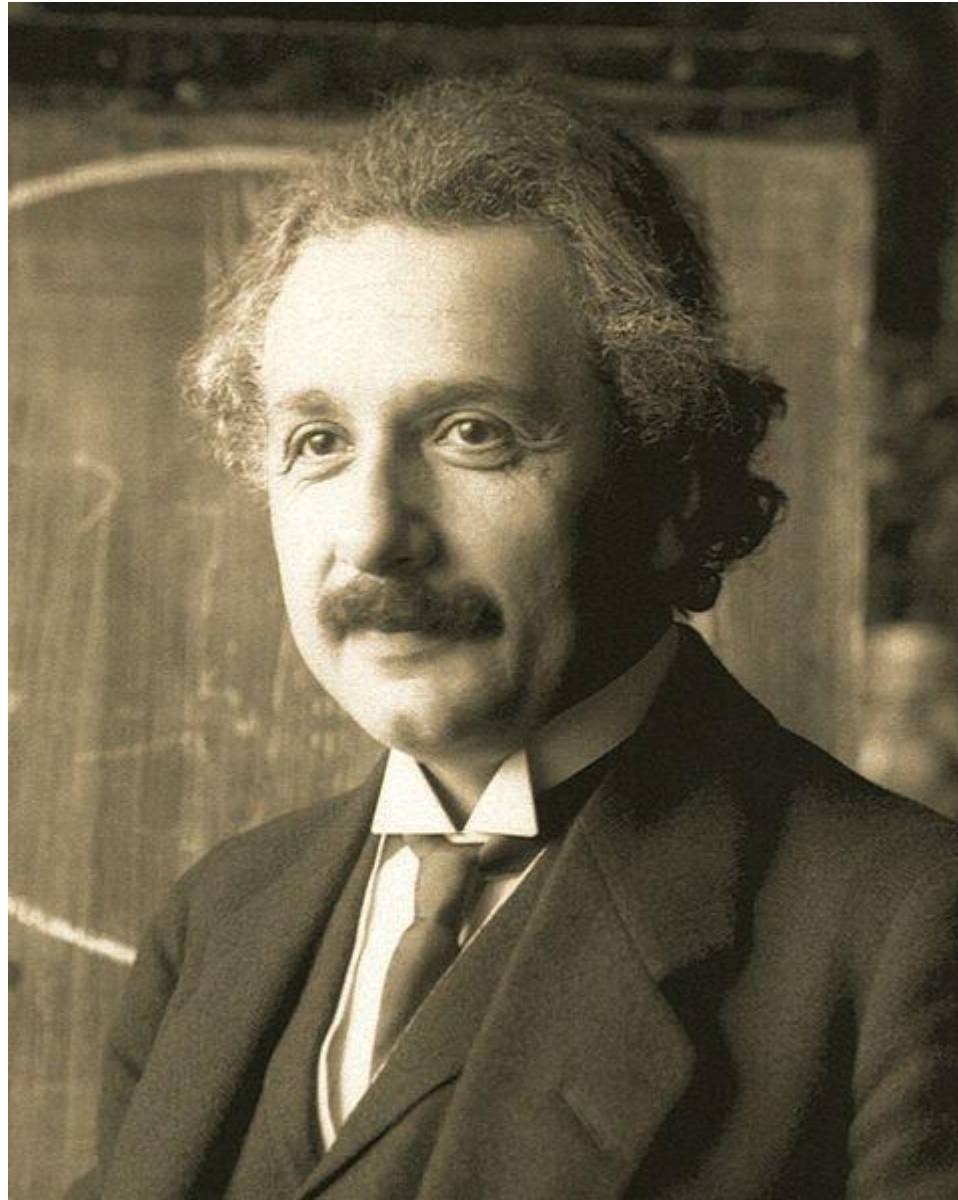


https://en.wikipedia.org/wiki/File:Merchants_of_DOUBT.jpg



[https://commons.wikimedia.org/wiki/File:Naomi_Oreskes_2nd_European_TA_conference_in_Berlin_2015_\(cropped_to_collar\).JPG](https://commons.wikimedia.org/wiki/File:Naomi_Oreskes_2nd_European_TA_conference_in_Berlin_2015_(cropped_to_collar).JPG)

4. La ciutadania científica



https://commons.wikimedia.org/wiki/File:Einstein1921_by_F_Schmutzer_2.jpg



Linus Pauling (1901-1994) The 1954 Nobel Prize in Chemistry and the 1962 Nobel Peace Prize.

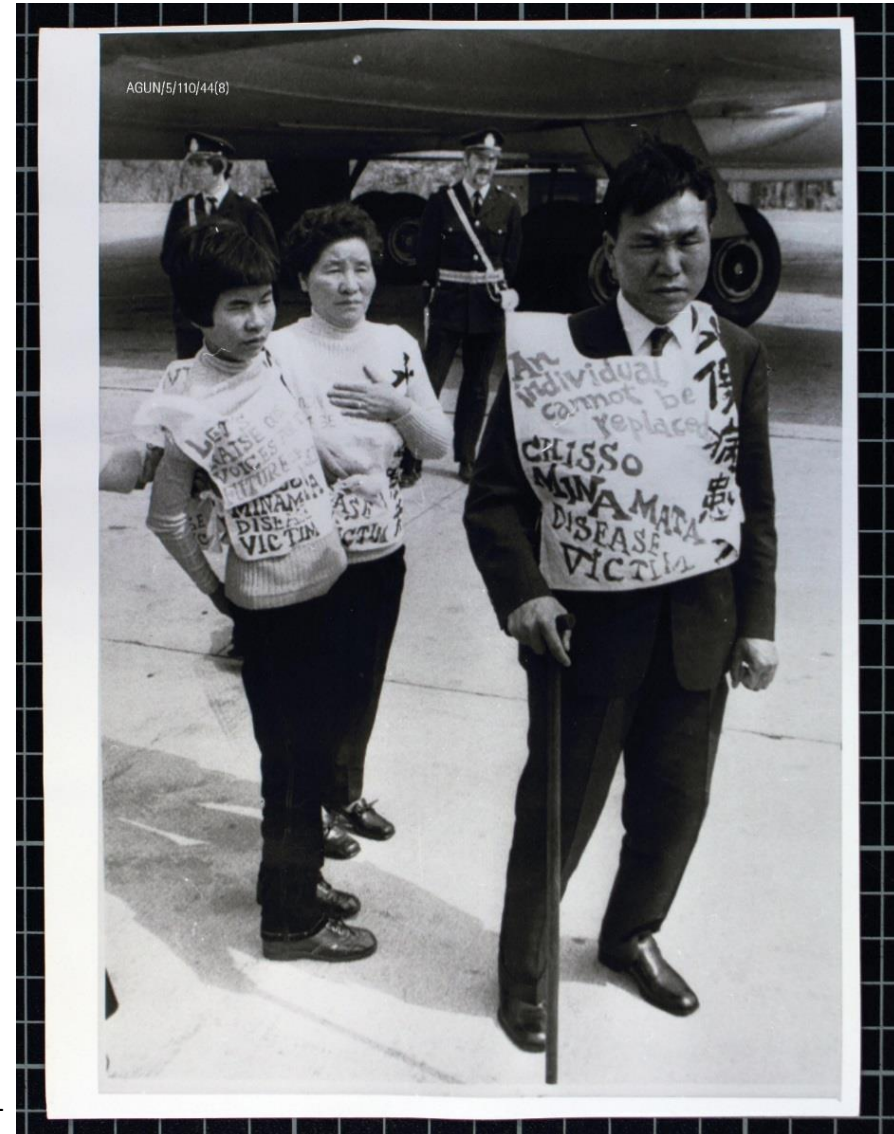
https://commons.wikimedia.org/wiki/File:Linus_Pauling_1955a.jpg



<https://commons.wikimedia.org/wiki/File:Rachel-Carson.jpg>

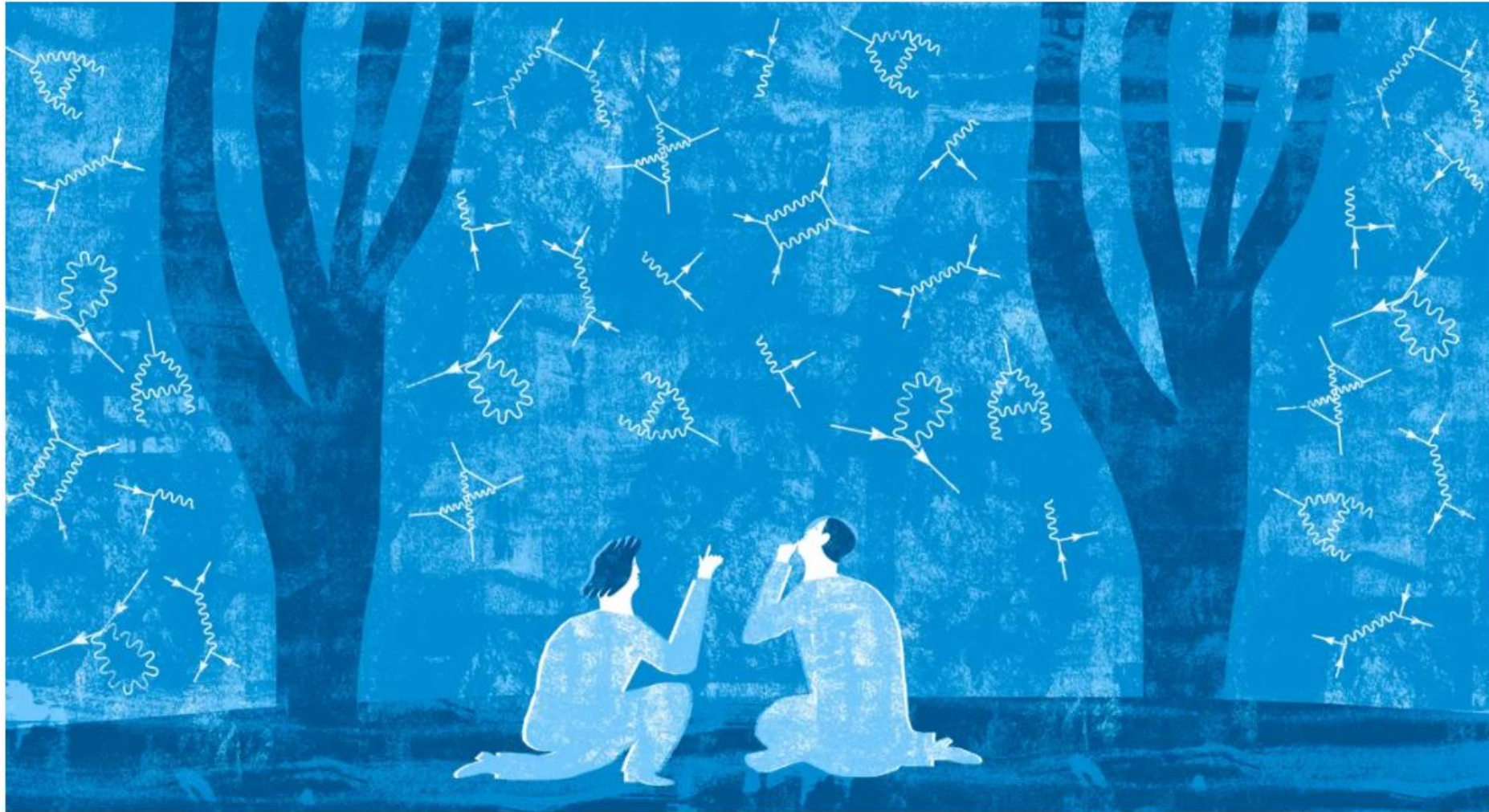


<https://sgkplanet.com/en/the-stockholm-declaration-in-way-to-the-half-century-of-the-first-earth-summit/>



Archivo General Universidad de Navarra. Fondo López Rodó. 5/110(44)8

5. Una nova gestió del coneixement



JAMES O'BRIEN FOR QUANTA MAGAZINE



Richard Feynman (1918 - 1988)

https://commons.wikimedia.org/wiki/File:RichardFeynman-PaineMansionWoods1984_copyrightTamikoThiel_bw.jpg

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日本語

1 259 000+ 記事

Русский

1 708 000+ статей

Italiano

1 681 000+ voci

Português

1 061 000+ artigos



<https://www.wikipedia.org/>



7. Ciutadania biològica



Image ID: G2BFPJ Paul Catalin Pop / Alamy Stock Photo

JULIE GRALOW, MD: “We believe that, by empowering patient advocates in developing countries, they can be part of the solution to the cancer problem, helping to impact breast and cervical cancer outcomes.”



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Outline

Images

NEWS

Women's Empowerment Cancer Advocacy Network (WE CAN) Expanding Across the Globe

Butcher, Lola

Oncology Times: June 25, 2015 - Volume 37 - Issue 12 - p 53-55
doi: 10.1097/01.COT.0000467340.78886.50

https://journals.lww.com/oncology-times/fulltext/2015/06250/women_s_empowerment_cancer_advocacy_network__we.24.aspx



THE NEW YORK ACADEMY OF MEDICINE
HEALTHY CITIES
BETTER LIVES.

MUSEUM OF THE CITY OF NEW YORK

HUMANITIES NEW YORK

EVENT SERIES

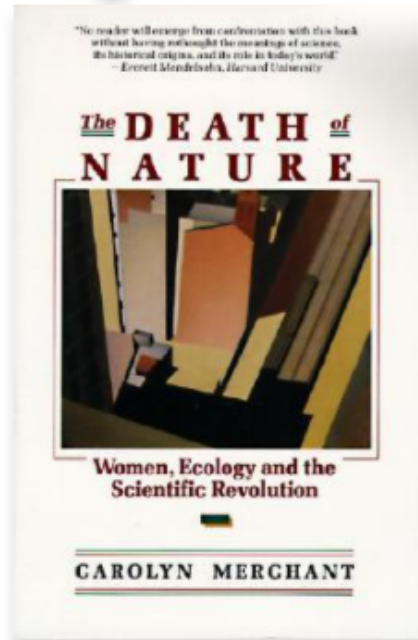
WHO CONTROLS WOMEN'S HEALTH? A CENTURY OF STRUGGLE

10/05

**MORE THAN MEDICINE:
SOCIAL JUSTICE AND FEMINIST
MOVEMENTS FOR HEALTH**


Jennifer Nelson, historian and professor of
Gender and Women's Studies

<https://nyamcenterforhistory.files.wordpress.com/2017/09/cos-series-twitter-r1-event-1005.jpg>



The Death of Nature: Women, Ecology, and the Scientific Revolution

by Carolyn Merchant

★★★★☆ 3.74 ·  Rating details · 398 ratings · 34 reviews

An examination of the Scientific Revolution that shows how the mechanistic world view of modern science has sanctioned the exploitation of nature, unrestrained commercial expansion, and a new socioeconomic order that subordinates women.

https://www.goodreads.com/book/show/394898.The_Death_of_Nature

7. Activistes a l'esfera pública



<https://commons.wikimedia.org/wiki/File:Rachel-Carson.jpg>



www.aktivism.info/rapporter/ChallengingUN72.pdf



“Activists dismissal of science to oppose GM technology negatively impacts the public discussion and the regulatory environment”,
Kevin M. Folta, PhD, Professor and Chairman, Horticultural Sciences Department, University of Florida
Anti-GMO Activism and Its Impact on Food Security, Kevin Folta | December 4, 2014

8. La tecnociència: una nova interdisciplinarietat

BERNADETTE BENSAUDE-VINCENT

LES VERTIGES DE LA TECHNOSCIENCE

FAÇONNER LE MONDE
ATOME PAR ATOME



SCIENCES ET SOCIÉTÉ
ÉDITIONS LA DÉCOUVERTE

<https://www.editions-ladecouverte.fr/>



<https://iatranshumanisme.com/2015/03/31/livre-les-vertiges-de-la-technoscience/>



1969-1970

Física

Química

Biologia

1970-1971

Matemàtiques

Geologia

Informàtica

1991-94

Estadística

Enginyeria Electrònica

Enginyeria Química

Bioquímica

1995-96

Ciències Ambientals

1998-99

Biotecnologia

2010-11

Estadística aplicada

Nanociència i Nanotecnologia

Dobles graus

2018-19

Matemàtica computacional



2020

Ciències - UAB/UAM/UC3M **NOU**

Ciències Ambientals

Ciències Ambientals + Geologia

Estadística Aplicada

Física

Física + Matemàtiques

Física + Química

Geologia

Matemàtica Computacional i Analítica de Dades

Matemàtiques

Nanociència i Nanotecnologia

Química

9. Conclusió



**Danger
Asbestos
removal in
progress.**

A specialist asbestos removal company removing asbestos from a shed roof of a house in Ambleside, Cumbria, UK

Image ID: C3JE03Ashley Cooper pics / Alamy Stock Photo

Open access to knowledge is critical—especially during a global health emergency.

Creative Commons [calls](#) on organizations around the world to make their patents and copyrights freely available in the fight against the COVID-19 pandemic.

<https://creativecommons.org/>



<https://www.uab.cat/ciencias/>